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***Intelligence***

**AIR FORCE TARGETING**



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This instruction implements AFPD 14-1, *Intelligence, Surveillance, and Reconnaissance (ISR) Planning, Resources, and Operations* and defines Air Force targeting responsibilities. Use this instruction in conjunction with AFDD 2-1.9, *Targeting*, AFI 14-124, *Predictive Battlespace Awareness*, and Joint Publication 3-60, *Joint Targeting* and other Air Force and Joint publications referenced in Attachment 1. This Air Force Instruction (AFI) also applies to Air Force Reserve Command and Air National Guard units. Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF IMT 847, *Recommendations for Change of Publication*; route AF IMT 847s from the field through the appropriate chain of command. Field activities must send implementing publications to the higher headquarters functional OPR for review and coordination before publishing. HQ USAF/A2 must approve any deviations from this instruction.

Records Disposition. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with AFMAN 33-363, *Management of Records*, and disposed of in accordance with the Air Force Records Disposition Schedule (RDS) located at <https://www.my.af.mil/gcss-af61a/afrims/afrims/>.

**SUMMARY OF CHANGES**

This document incorporates extensive changes resulting from implementation of “A” staff structure throughout the Air Force, reorganizations at Headquarters United States Air Force (HQ USAF), Headquarters Air Combat Command (HQ ACC), and the 480th Intelligence, Surveillance and Reconnaissance Wing (480 ISR Wing), as well as the standup of the AF Intelligence, Surveillance and Reconnaissance Agency (AFISRA), the ACC Combat Targeting and Intelligence Group (CTIG) and the Air Force Targeting Center (AFTC).

**1. Responsibilities.**

**1.1. Headquarters USAF.**

**1.1.1. Deputy Chief of Staff, ISR (HQ USAF/A2).**

1.1.1.1. ISR Capabilities Directorate (HQ USAF/A2C), Processing Exploitation Dissemination and Applications Division (HQ USAF/A2CP), Force and Unit Level Applications Branch (HQ USAF/A2CPA). On behalf of the USAF/A2, HQ USAF/A2CPA serves as the functional manager responsible for the day-to-day management, administration and requirements for Air Force targeting. HQ USAF/A2CPA will:

1.1.1.1.1. Develop, coordinate, promulgate and oversee implementation of USAF targeting policy and guidance, ensuring consistency with joint, HQ USAF, Deputy Chief of Staff, Operations, Plans & Requirements (HQ USAF/A3/5), and HQ USAF/A2 policy and guidance.

1.1.1.1.2. Promote standardization throughout the Air Force and Joint community in targeting related functions including the following areas: intelligence databases, targeting automation, application of geopositioning capabilities, geospatial information and services (GI&S), target location error determination, collateral damage estimation, assessment, weaponeering systems, and target materials. For targeting databases used by the modeling and simulation community, promote standardization in coordination with HQ USAF/A9 and Office of the Secretary of Defense (OSD) for Program Analysis & Evaluation.

1.1.1.1.3. Coordinate with HQ USAF/A3/5 offices, to ensure AF Command and Control (C2) policy, weapon system and target execution Tactics, Techniques and Procedures (TTPs) are consistent with strategic policy and guidance.

1.1.1.1.4. Coordinate with HQ USAF/A2R on the development, coordination and implementation of fiscal and information support plans and programs supporting target intelligence and joint targeting activities.

1.1.1.1.5. Assist HQ USAF ISR Force Management and Readiness Division (HQ USAF/A2DF) with targeting manpower, personnel and training issues. Provide subject matter expertise (SME) to HQ USAF/A2DF for targeting-related Utilization & Training Workshop (U&TW) and Training Planning Teams (TPT) for both officer and enlisted intelligence career fields.

1.1.1.1.6. Coordinate with HQ ACC/A2, the Combat Air Forces (CAF) targeting lead, on scheduling and agenda for an annual Air Force targeting conference or quarterly teleconferences to improve Air Force targeting and promote the exchange of targeting doctrine, concepts, best practices, materials and systems.

1.1.1.1.7. Represent HQ USAF/A2 and USAF targeting community at procedural interagency and DoD targeting-related conferences and functions, including the Joint Staff Deputy Directorate for Targeting Support (JS/J2T)-led Military Targeting Committee (MTC), Targeting Issues Working Group (TIWG), and Joint Targeting Automation Steering Group (JTASG).

1.1.1.1.8. In coordination with HQ USAF/A5R, HQ USAF/A2CG, and AFISRA/A5/8, validate and prioritize USAF targeting requirements in order to provide them to Joint Capabilities Integration & Development System forums and/or Combat Support Agencies (CSA). This includes requirements related to current/future capabilities, materials, databases, automation tools, geospatial/geopositioning requirements, and technical reports.

1.1.1.1.8.1. As Executive Agent, provide day-to-day management of key Air Force-

managed targeting automation systems, in particular, those resourced to support joint requirements. Serve as the USAF focal point for automated targeting system development and fielding. Maintain day-to-day liaison with Joint Staff Directorate for Intelligence (JS/J2) offices, Chief of Naval Operations targeting staff (USN N20), Air Force Materiel Command (AFMC), CSA, ACC, and others as required.

1.1.1.1.8.2. Coordinate development, acquisition, integration and fielding of new targeting automated systems based on requirements promulgated by Air Force users.

1.1.1.1.9. Represent HQ USAF on the Joint Technical Coordinating Group for Munitions Effectiveness (JTCG/ME) working groups. Coordinate and submit AF-wide effectiveness requirements requested by JTCG/ME and JCS supporting kinetic and non-kinetic capabilities. Coordinate with HQ ACC/A2 representatives establishing USAF position on the Air-to-Surface Joint Munitions Effectiveness Manual (JMEM) Operational Users Working Group (OUWG.)

1.1.1.1.10. Provide SME support to Foreign Disclosure Office (FDO) for reviewing requests to release target intelligence and target materials data to allies, coalition partners and the public.

1.1.1.1.11. Coordinate with LeMay Center for Doctrine Development and Education on writing, staffing, and publishing AF and Joint targeting related publications including AFDD 2-1.9, *Targeting*, and Joint Publication (JP) 3-60, *Joint Targeting*.

1.1.1.1.12. Coordinate with HQ USAF/A3O-C, HQ ACC and other interested parties to integrate full spectrum offensive capabilities, kinetic and non-kinetic, into a single plan as directed by JP 3-60 in order to influence selected audiences as well as exploit, deny, destroy or deceive adversary information and information systems.

1.1.1.1.13. Maintain a "Targeting Community of Practice" web presence on the Air Force unclassified web portal.

1.1.1.2. HQ USAF/A2 GEOINT Capabilities Division (HQ USAF A2CG). USAF/A2CG is the Air Force functional manager for all geospatial intelligence (GEOINT), including geopositioning (point mensuration), geospatial information and services (GI&S) and advanced geospatial intelligence (AGI).

1.1.1.3. HQ USAF ISR Force Management and Readiness Division (HQ USAF/A2DF). HQ USAF intelligence functional area managers (FAMs) provide oversight and management of all personnel, training, and equipment within the intelligence career fields.

1.1.1.3.1. Provide input to the development and review of personnel policy, and coordinate issues affecting targeting training and billets. HQ USAF/A2 Officer and Enlisted Career Field Managers (CFMs) lead Utilization & Training Workshops (U&TW) and Training Planning Teams (TPT) for officer and enlisted intelligence Air Force specialties, in accordance with AFI 36-2201, Volume 2, *Air Force Training Program: Training Management* and Volume 5, *Air Force Training Program: Career Field Education and Training*. Oversee development for targeting special experience identifier (SEI) and Air Force Specialty Code (AFSC) suffix "shredout" policy, IAW AFI 36-2101, *Classifying Military Personnel (Officer and Enlisted)*.

1.1.1.3.2. Oversee development of USAF training program to comply with CJCSI 3505.01, *Target Coordinate Mensuration Certification*, and National Geospatial

Intelligence Agency (NGA) certification standards for precise point positioning training and certification. OPR for USAF instruction on target coordinate mensuration certification training.

1.1.1.4. ISR Plans and Resources Directorate (HQ USAF/A2R). Oversee development, coordination and implementation of fiscal and information support plans and programs supporting target intelligence and joint targeting activities. Support HQ USAF/A2DF in developing and managing USAF training programs for point positioning (geopositioning) training and certification in addition to basic and advanced targeting training programs.

1.1.2. Deputy Chief of Staff, Operations, Plans & Requirements (HQ USAF/A3/5). Coordinate with HQ USAF/A2 Directorate. Ensure operational consistency of policies, plans and guidance affecting targeting related functions including the following areas: intelligence databases, targeting automation, application of geopositioning capabilities, GI&S, target location error determination, collateral damage estimation, assessment, weaponeering systems, and target materials.

1.1.3. Director of Operational Capability Requirements (HQ USAF/A5R). Serve as lead for HQ USAF on all Air Force capabilities-based requirements that may result in Research, Development, Testing & Evaluation and procurement appropriations. Coordinate all Air Force capabilities-based targeting requirements documents with other Services/Agencies and Joint Staff organizations. Facilitate and coordinate all Air Force targeting Acquisition Category (ACAT) I/IA and JROC Interest programs through the JROC process.

1.1.4. Deputy Chief of Staff, Manpower and Personnel (HQ USAF/A1). Oversee development of manpower, personnel and training policy & guidance.

1.2. Lead Major Commands (MAJCOMs), Component MAJCOM and Air Force ISR Agency. Lead MAJCOMs and Component MAJCOM A2s shall designate an office of primary responsibility (OPR) to serve as focal point for targeting issues of concern to their command. IAW HQ USAF Program Action Directive 07-13, *Implementation of the Chief Of Staff of the Air Force Direction to Transform and Consolidate Headquarters Management Functions*, the OPR will be Force and Unit Level Capabilities (A2OF) unless a variance was granted IAW procedures outlined in Annex B of PAD 07-13. This OPR will be responsible for oversight of ISR applications and training requirements that enable effective targeting in support of the respective command's mission. As MAJCOM/FOA Functional Lead for Targeting, this OPR will:

1.2.1. Coordinate with HQ USAF/A2CPA on proposed agenda items or issues for the MTC, TIWG, JTASG and AF's annual targeting conference.

1.2.2. Develop command targeting policy, procedures and priorities, and TTPs IAW targeting doctrine, AFIs and Chairman Joint Chief of Staff Instructions/Manuals (CJCSI/Ms).

1.2.3. Coordinate with HQ USAF/A2CPA and ACC/A2XX on targeting issues requiring HQ USAF or Combat Air Force (CAF) lead support.

1.2.4. Coordinate command-sponsored systems development that either requires or supports the targeting process.

1.2.5. Provide command representation for the TPT and U&TW review of officer and enlisted combat targeting training curriculum and personnel utilization.

1.2.6. Develop and implement processes to use the officer targeting SEI and enlisted AFSC within their command IAW AFI 36-2101, AFPC and HQ USAF/A2DF guidance.

1.2.7. In conjunction with MAJCOM/A3/5 offices, ensure targeting, C2, weapon system policy and TTPs are consistent with strategic guidance.

1.2.8. Annually develop and provide to ACC's CTIG an estimate of targeting reachback support the command may require from the AF targeting production center which exceeds the capacity of their Component-NAF Air & Space Operations Center (AOC) to fulfill theater operational or concept plans. The estimate will be as specific as possible (i.e. # target folders produced weekly; precise points mensurated in 24 hr period, etc...) to allow the AF production center to maintain a sufficient capacity to meet short notice, surge and steady state operations.

1.3. MAJCOM A3/5s. Coordinate with Lead MAJCOM A2s to ensure consistency of policies, plans and guidance affecting targeting related functions such as: intelligence databases, targeting automation, application of geopositioning capabilities, GI&S, target location error determination, collateral damage estimation, assessment and target materials.

1.4. HQ Air Combat Command (ACC).

1.4.1. HQ ACC/A2XX.

1.4.1.1. HQ ACC/A2XX targeting OPR will serve as the CAF targeting lead. In this capacity, HQ ACC/A2XX will:

1.4.1.1.1. Coordinate common positions and advocate for standardization across the CAF concerning operational issues that impact targeting. Provide oversight of CAF changes in targeting plans, programs, resources and support initiatives.

1.4.1.1.2. Host an annual AF targeting conference meeting to improve AF targeting and promote development/exchange of targeting ideas, concepts, materials, and systems. Coordinate all administrative duties/arrangements for the meeting.

1.4.1.1.3. Represent CAF at the JTCG/ME working groups, to include the OUWG and provide HQ USAF/A2CP a summary of meeting results.

1.4.1.1.4. Ensure training plan for employment of new targeting systems is implemented as part of development and fielding of systems.

1.4.1.1.5. Gather, consolidate, and coordinate CAF requirements for USAF target intelligence-related capabilities development (e.g., weapon systems, munitions and C4ISR acquisition.). Coordinate requirements with the HQ USAF/A2CPA and provide to AFISRA.

1.4.1.1.6. Review requests to release target intelligence and target materials data including Freedom of Information Act requests. May require coordination with HQ USAF/A2CPA.

1.4.1.1.7. Coordinate CAF targeting support for USAF weapon system, C4ISR and munitions acquisitions.

1.4.1.1.8. Coordinate with other lead and component MAJCOMs for specific targeting capabilities requiring HQ USAF support (i.e. AFSPC for space-related targeting issues or AFGSC for nuclear-related targeting issues, etc.).

1.4.2. HQ ACC/A2Y. Manage program for development and fielding of geopositioning (point mensuration) technologies, tools, applications and activities, and the related GEOINT databases and products required for both precise and accurate geopositioning. Provide day-to-day management of Common Geopositioning Services (CGS) programs for the Air Force.

1.4.3. ACC Combat Targeting and Intelligence Group (CTIG), designated as the Air Force Targeting Center (AFTC) by the AF/A2 (in coordination with COMACC) will:

1.4.3.1. Maintain a core capability for expert targeting reachback assistance and targeting-related production for air expeditionary forces, MAJCOMs, Component NAFs and Combat Wings sufficient to meet requirements provided by each MAJCOM annually.

1.4.3.2. Create and sustain a center for AOC targeting reachback.

1.4.3.3. Coordinate with all AF capability-based targeting nodes and expertise to provide a single focal point to facilitate federated targeting production planning and execution.

1.4.3.4. Maintain sufficient capability to meet Weapon System Program Office and Test organization targeting requirements.

1.4.3.5. Maintain as a minimum the following specific targeting capabilities:

1.4.3.5.1. Target development and Target System Analysis support.

1.4.3.5.2. Associated target folder/material creation.

1.4.3.5.3. Weaponeering.

1.4.3.5.4. Precise Point Mensuration.

1.4.3.5.5. Joint Desired Point of Impact creation.

1.4.3.5.6. Joint Air-to-Surface Standoff Missile (JASSM) Terminal Area Models (TAM).

1.4.3.5.7. Conventional Air Launched Cruise Missile (CALCM) target graphics.

1.4.3.5.8. Collateral Damage Estimation.

1.4.3.5.9. Provide Assessment support.

1.4.3.6. Implement the USAF precise point positioning training and certification program and provides expertise/support to the HQ USAF/A2 functional staff as needed.

1.4.3.7. Manage the USAF intelligence standards and evaluations program IAW AFI 14-202v2, *Intelligence Standardization/Evaluation Program*, 10 Mar 08.

1.4.3.8. Coordinate with CAF lead for targeting issues requiring HQ USAF/A2, component MAJCOM, or CAF lead support.

1.4.4. HQ ACC/A8. Coordinate integration of targeting automated systems into the AOC weapon system as required. Ensure joint interoperability and compatibility for both new and existing AOC Weapon System (WS) targeting systems in conjunction with HQ USAF/A2CPA, AFISRA, ACC, AFMC, and national/theater intelligence agencies and centers.

1.5. HQ Air Force Space Command (AFSPC). AFSPC will act as the lead MAJCOM for space-related and cyber targeting issues. Provide intelligence support and coordinate with HQ USAF/A2CPA and HQ ACC/A2XX on targeting issues requiring HQ USAF or Combat Air Force (CAF) lead support.

1.6. HQ Air Force Global Strike Command (HQ AFGSC). AFGSC will act as the lead MAJCOM for nuclear-related targeting issues. Coordinate with HQ USAF/A2CPA and HQ ACC/A2XX on targeting issues requiring HQ USAF or CAF lead support.

1.7. HQ Air Force Materiel Command (HQ AFMC)/A2. Provide intelligence support and acquisition expertise to targeting research, development, test, evaluation and sustainment programs and activities executed at AFMC Centers and locations. This support entails:

1.7.1. Identify and document targeting-related intelligence supportability requirements, deficiencies and constraints.

1.7.2. Deliver intelligence community products and services to acquisition programs and projects providing targeting-related capabilities.

1.7.3. Coordinate with ACC/A2, AFSPC/A2, AFSOC/A2, AETC, AFISRA, and or AF/A2 to advocate and resolve targeting-related intelligence deficiencies in Air Force capabilities planning and resource allocation activities.

1.7.4. Orchestrate acquisition and development of new targeting automated systems based on validated requirements promulgated by HQ ACC/A2, AFISRA, other USAF targeting MAJCOMs and proponents, or joint steering groups for joint systems.

1.8. HQ Air Force Reserve Command (HQ AFRC). As part of the Total Force, HQ AFRC's responsibilities to fulfill USAF targeting requirements include:

1.8.1. Maintain worldwide readiness to deploy well-trained and certified AOC and unit-level targeting personnel to augment the active force.

1.8.2. Provide targeting subject matter expertise in developmental, operational and field testing of emerging AOC weapon system applications.

1.9. HQ Air Education and Training Command (HQ AETC). Execute beginning, intermediate, and advanced level targeting training and education for the Air Force. Training pipeline manager co-chairs targeting-related U&TWs/TPTs with the HQ USAF/A2DF CFMs in accordance with AFI 36-2201V2.

1.10. LeMay Center for Doctrine Development and Education. Maintain currency of AFDD 2-1.9, *Targeting*, and related publications. Ensure revisions are fully coordinated with the AF targeting functional community.

1.11. AF Intelligence, Surveillance and Reconnaissance Agency (AFISRA). Supports HQ AF/A2R/A2C staff through management of General Defense Intelligence Program (GDIP) resources impacting AF and joint targeting automation systems. Provide non-kinetic targeting expertise as part of the overall AF targeting enterprise, in coordination with the CTIG. This capability will address non-kinetic targeting within all phases of the joint targeting cycle.

1.12. HQ USAF Component Numbered Air Forces, Air-Ground Munitions Delivery Capable Units and Information Operations Capable Units:

1.12.1. Develop local targeting TTPs in accordance with AFDD 2-1.9, JP 3-60, targeting-related CJCSI/Ms and CAF-standardized TTPs ensuring guidance for kinetic and non-kinetic targeting is applied with equal rigor. Due to the extensive joint nature of the targeting process, ensure operations, exercises and training events adhere, to the extent possible, to joint standards to ensure interoperability across tactical, operational and strategic levels.

1.12.2. Ensure, to the maximum extent possible, personnel conducting targeting operations have received appropriate specialized targeting training, either through Combat Targeting Course (CTC), or the appropriate successor beginning/intermediate/advanced courses, or the Joint Targeting School (JTS), prior to assuming their duties. Personnel performing geopositioning

coordinate derivation require training and certification IAW CJCSI 3505.01. Personnel performing Collateral Damage Estimation (CDE) require training IAW CJCSI 3160.01.

1.12.3. Submit targeting and geopositioning experience billet/position requirements to MAJCOMs and AFPC for satisfaction. To the maximum extent possible, personnel in these billets will acquire the Targeting SEI within one year and maintain qualification for the targeting SEI while in this billet.

## **2. AF Targeting References and Considerations.**

2.1. Doctrine. Two foundational documents provide the doctrinal underpinnings for targeting, describe core processes, and outline planning/execution considerations to successfully conduct all aspects of the targeting cycle. They are AFDD 2-1.9, *Targeting* and Joint Publication 3-60, *Joint Targeting*. All personnel involved in the AF targeting will thoroughly read and understand the contents of these two publications. Additionally, CJCSI 3160.01, *No-Strike and The Collateral Damage Estimation Methodology (U)*; CJCSI 3505.01, *Target Coordinate Mensuration Certification*; and CJCSI 3122.06B, *Sensitive Target Approval Process (U)* (classified), are essential references.

### **2.2. Organization.**

2.2.1. Principal Coordinating Effort. Targeting requires a wide range of support from the National Intelligence Community (IC); as well as, many DoD operational and intelligence organizations. The Joint Staff Deputy Directorate for Targeting (J2T) serves as a key facilitator among the various targeting service staffs, combatant commands, DoD organizations and the IC, to ensure a coordinated approach to this inherently joint activity. It most often uses the Military Target Intelligence Management Structure (MTIMS), chartered by the DoD Military Intelligence Board (MIB), to do so. Within the MTIMS is a senior leadership (O-6) level forum called the MTC, which serves as an advisory body to the MIB, combatant commands, services and defense agencies. It provides the means to discuss, coordinate, and determine actions needed to resolve target intelligence issues related to Doctrine, Organization, Training Materiel, Leadership & Education, Personnel and Facilities (DOTMLPF) areas. Representatives from the Joint Staff, combatant commands, Services and Allied Partners make up the membership. Supporting the MTC are two action-officer level groups, the TIWG and the JTASG. The TIWG and JTASG report issue findings and recommendations to the MTC as directed. HQ USAF/A2CPA represents the Air Force in this joint forum, but relies heavily on experts across the Air Force.

2.2.2. Additional Targeting Expertise. The Defense Intelligence Agency (DIA), National Geospatial-Intelligence Agency (NGA), National Security Agency (NSA), National Reconnaissance Office (NRO), Joint Technical Coordinating Group for Munitions Effectiveness (JTCG/ME), Defense Threat Reduction Agency (DTRA) and Joint Warfare Analysis Center (JWAC) all perform missions dedicated to supporting national, theater and joint targeting efforts. Additionally, the combatant commands' intelligence organizations perform theater-level target production and analysis. Furthermore, each service maintains research labs and weapons development organizations that significantly influence targeting capabilities and processes. Consult current SIPRNET or JWICS organizational web pages for details on their capabilities.

### **2.3. Training.**

2.3.1. Targeting AFSC-Awarding/Initial Skills Training. Personnel performing functions supporting the targeting cycle require specialized knowledge, skills and in many cases, certification beyond their respective AF Specialty Code (AFSC)-awarding training.



Commanders should send individuals performing targeting functions to one of the following formal training courses as part of an individual's Initial Qualification Training (IQT).

2.3.1.1. The Basic Targeting Course (BTC), will be available for enlisted pipeline and non-ISR personnel. It is part of the enlisted Targeting AFSC technical training and is an AFSC-awarding course.

2.3.1.2. The USAF operates the Combat Targeting Course (CTC) run by the 17th Training Wing at Goodfellow AFB and overseen by HQ AETC, to provide initial training for targeting-related duties. Personnel attending this course receive in-depth training on applicable targeting processes and procedures. The CTC will transition to two courses, the Targeting IFTU and Advanced Targeting Course (ATC). The Targeting IFTU will be for ISR officers or mid-level enlisted ISR retrainees going to or performing targeting duties at a wing or AOC.

2.3.1.3. Joint Targeting School (JTS). This school is designed to teach the joint targeting process (based on JP 3-60). The USAF recommends this course for those mid-career ISR Airmen going to a combatant command, Joint Staff, or CSA targeting billet; or for those who are unable to attend AF targeting training. USJFCOM oversees JTS at its joint training facility in Dam Neck VA.

2.3.1.4. Weaponizing. Air Force targeting courses, the Conventional Weaponizing Fundamentals Mobile Training Team, and JTS teach weaponizing basics as part of their curriculum. This training is JTCG/ME-approved and is an essential requirement to properly use the JMEM Weaponizing System and Integrated Munitions Effects Assessment program for respective targets.

2.3.1.5. Additional IQT training for personnel may be required beyond BTC, CTC (Targeting IFTU), or JTS. IAW AFI 14-202 Vol 1, personnel will also complete the IQT program for the weapon systems/mission areas to which they are assigned (e.g., F-15E, F-16, AOC, etc.).

2.3.2. Targeting-specific Mission Qualification Training (MQT), Continuation Training (CT), and Specialized Training. Targeting-related MQT will be conducted at an individual's specific unit/organization they are assigned to. Targeting-related CT will ensure personnel maintain the required proficiency at their assigned qualification level. For some specific targeting positions, individuals will also require specialized training/certification, either as part of MQT or after completion of their MQT.

2.3.2.1. Geopositioning. CJCSI 3505.01 requires training and certification of ISR Airmen to conduct precise geolocation positioning for unguided and guided munitions delivery. Precise Point Positioning Process Certification (4PC) is conducted by NGA and/or NGA-accredited organizations. The 20 IS is designated to be the primary Air Force accredited organization conducting 4PC certification.

2.3.2.2. The Advanced Targeting Course (ATC) has been proposed as a follow-on course to BTC and the Targeting IFTU. The ATC is intended for officers and enlisted personnel in key targeting wing or AOC billets that require in-depth comprehension of targeting cycle functions and their integration in the planning process.

2.3.3. Consult AFI 36-2201V2, Education and Training Course Announcements (ETCA) website, or the MAJCOM/DRU/FOA/unit training websites/managers for more information on training requirements.

## 2.4. Materiel.

2.4.1. Automation. Targeting is an information intensive process. National/theater databases containing targeting related reference material have tens of thousands of records. It is essential that targeting professionals emphasize the need to continually improve the automation of core targeting tasks that preserve the integrity, fidelity and pedigree of targeting information. AF targeting automation efforts will have several objectives:

2.4.1.1. Ensure a means to add, update and maintain the databases, and allow linkages that tie all parts of the targeting cycle together (e.g. link an objective and measure of success to individual weapon aimpoint).

2.4.1.2. Allow transfer of essential targeting data (e.g. description and precise geolocation) with minimal to no human intervention (except to check data accuracy) between intelligence, C2 and operations systems to reduce chances of introducing errors into the data.

2.4.1.3. Provide a means to visualize and display target systems and relationships to other systems.

2.4.1.4. Reduce the time needed to accomplish all of the targeting cycle steps.

## 2.5. Leadership.

2.5.1. Targeting is a command function and is inherently joint. It requires commander oversight and involvement to ensure proper execution. It is not the exclusive province of one type of specialty or division, such as intelligence or operations, but is the blending of expertise from many disciplines across the joint force. As an example, targeting-proficient personnel are normally found in most Air & Space Operations Center divisions vice a single division. Targeting has long been a USAF core competency (AFDD 2-1.9).

2.5.2. Targeting Community of Practice (CoP). HQ AF/A2CPA maintains a Targeting CoP on the AF Portal CoP link. The CoP is a repository of useful unclassified reference material covering a range of targeting issues from doctrine review and TTPs to history of targeting. This is an essential reference for targeting professionals and provides a unique forum to exchange targeting related data. Of note: JS/J2T also maintains extensive targeting related information on their SIPRNET and JWICS web pages.

2.6. Personnel. Upon completion of an AF-approved targeting course, follow-on OJT and practical experience in a specified targeting position, personnel become eligible for award of a targeting Special Experience Identifier (SEI). Specific guidance for award and retention of targeting SEIs are contained in the Enlisted Classification Directory and Officer Classification Directory available on-line at: <http://ask.afpc.randolph.af.mil/>.

2.7. Facility. Not used.

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## Attachment 1

## GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

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When using this instruction, readers are responsible for verifying the currency of the cited references.

***Abbreviations and Acronyms***

**ACC**—Air Combat Command

**AETC**—Air Education and Training Command

**AFDC**—Air Force Doctrine Center

**AFDD**—Air Force Doctrine Document

**AFI**—Air Force Instruction

**AFISRA**—Air Force Intelligence, Surveillance and Reconnaissance Agency

**AFMC**—Air Force Materiel Command

**AFPAM**—Air Force Pamphlet

**AFPD**—Air Force Policy Directive

**AFTC**—Air Force Targeting Center

**AOC**—Air & Space Operations Center

**BTC**—Basic Targeting Course

**CAF**—Combat Air Forces

**CAOC**—Combined Air & Space Operations Center

**CJCSI**—Chairman, JCS Instruction

**CJCSM**—Chairman, JCS Manual

**COCOM**—Combatant Command

**CoP**—Community of Practice

**CSA**—Combat Support Agency

**CTC**—Combat Targeting Course

**CTIG**—Combat Targeting and Intelligence Group

**DIA**—Defense Intelligence Agency

**DoD**—Department of Defense

**DOTMLPF**—Doctrine, Organization, Training, Materiel, Leadership & Education, Personnel and Facilities

**DTRA**—Defense Threat Reduction Agency

**F2T2EA**—Find, Fix, Track, Target, Engage, Assess

**GCIC**—Global Cyberspace Integration Command

**GDIP**—General Defense Intelligence Program

**IAW**—In Accordance With

**IC**—Intelligence Community

**IO**—Information Operations

**IQT**—Initial Qualification Training

**ISR**—Intelligence, Surveillance and Reconnaissance

**JIOC**—Joint Intelligence Operations Center

**JMEM**—Joint Munitions Effectiveness Manual

**JTASG**—Joint Targeting Automation Steering Group

**JTCG/ME**—Joint Technical Coordinating Group/Munitions Effectiveness

**JTS**—Joint Targeting School

**JWAC**—Joint Warfare Analysis Center

**JWICS**—Joint Worldwide Intelligence Communications System

**JWS**—JMEM Weaponizing System

**MAJCOM**—Major Command

**MIB**—Military Intelligence Board

**MITMS**—Military Target Intelligence Management Structure

**MTC**—Military Targeting Committee

**NGA**—National Geospatial Intelligence Agency

**NRO**—National Reconnaissance Office

**NSA**—National Security Agency

**OJT**—On the Job Training

**OPR**—Office of Primary Responsibility

**OUWG**—Operations Users' Working Group

**PC**—Precise Point Positioning Process Certification

**SEI**—Special Experience Identifier

**SIPRNET**—SECRET Internet Protocol Router Network

**SME**—Subject Matter Expert

**TIWG**—Targeting Issues Working Group

**TPT**—Training Planning Team

**TTP**—Tactics, Techniques and Procedures

**U&TW**—Utilization & Training Workshop

**USAF**—United States Air Force

**WS**—Weapon System